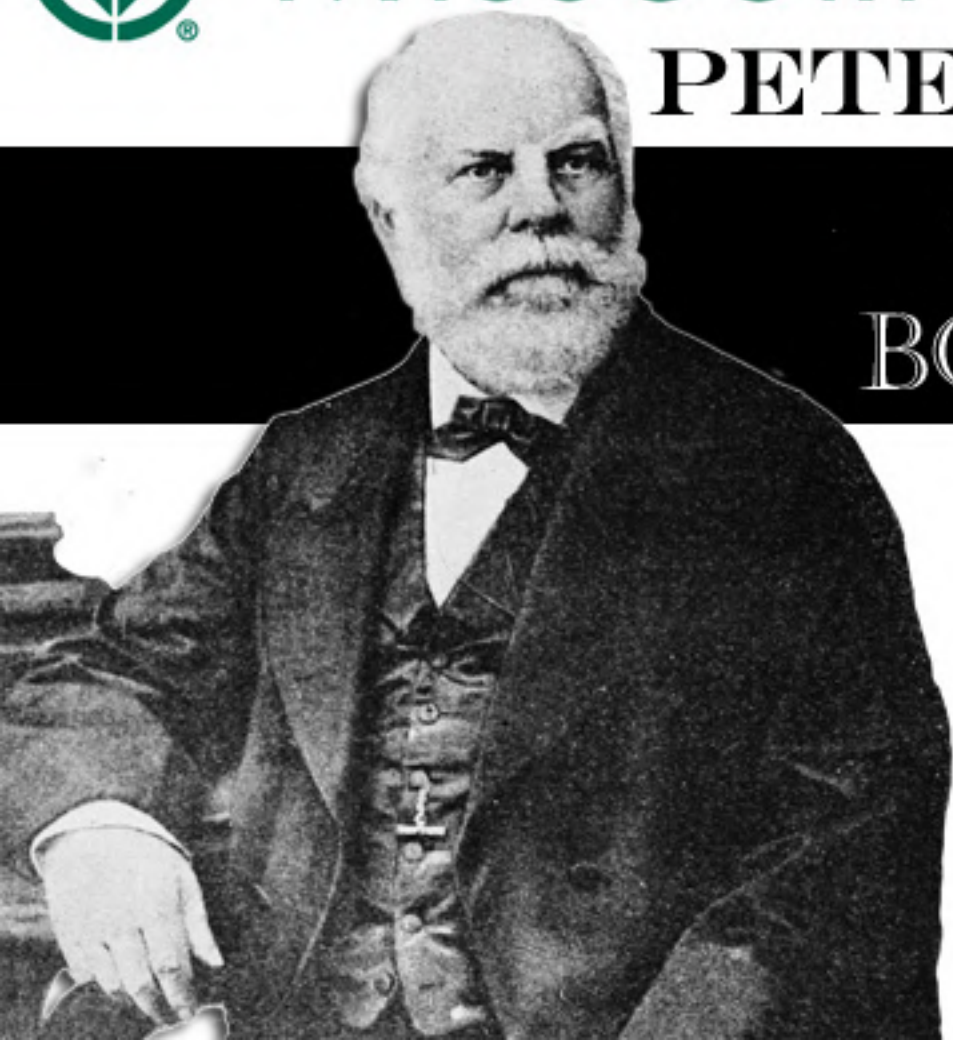


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BOTANICAL NOTEBOOKS



Pagination Note:

Since many of the items lack a specific page number, the page number displayed online refers to the sequentially created number each item was given upon cataloging the materials.

46

Cusc p. 497

C. tenuiflora Regel

3. C. Cephalanthi E. St Louis

26. C. tenuiflora E. Sonora Wright. 578

(Enclosed 381-385)

C. Cephalanthi

Missouri

Beardstown

C. tenuiflora !

Banks of the Missouri

Dr Hayden

Mimbres

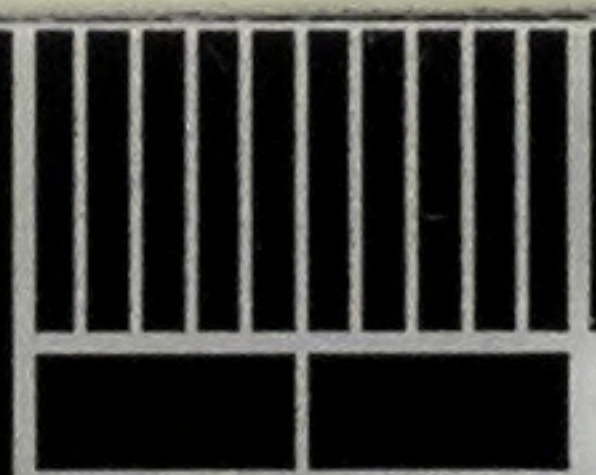
Wright 124

1626

1629

Dartmouth, Iowa 578

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 GEORGE ENGELMANN PAPERS



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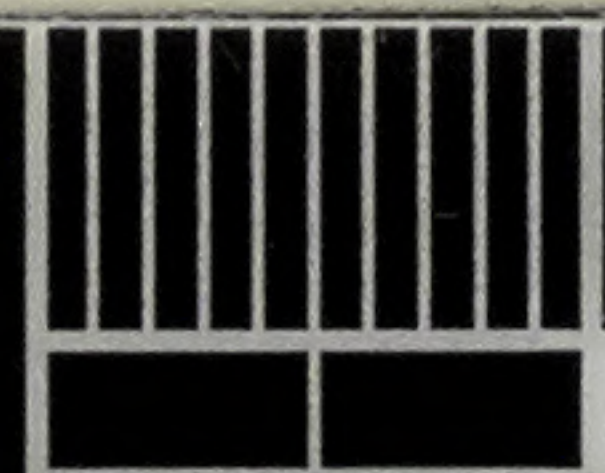


MISSOURI
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53 C. tenuiflora Cuzco.
Gray Maudsl.

C. Cephalanthi L. olim. Willd. Javan.

Illinois, Missouri
Beardstown Illinois Jegen
banks of upper Missouri Hayden
Minibus, W Mexico Wright 1629 (124)
Barbacoani, Sonora " 1626 (578)



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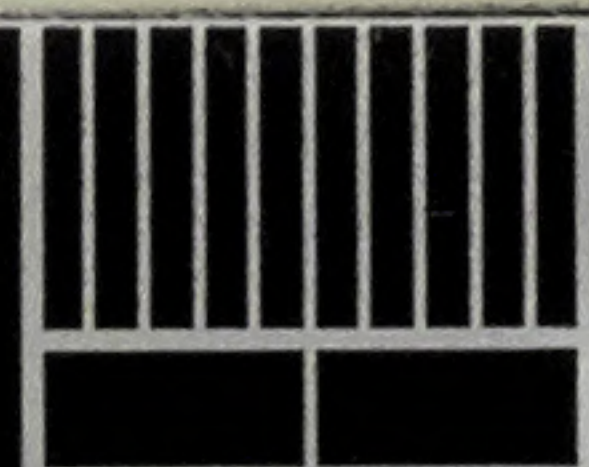
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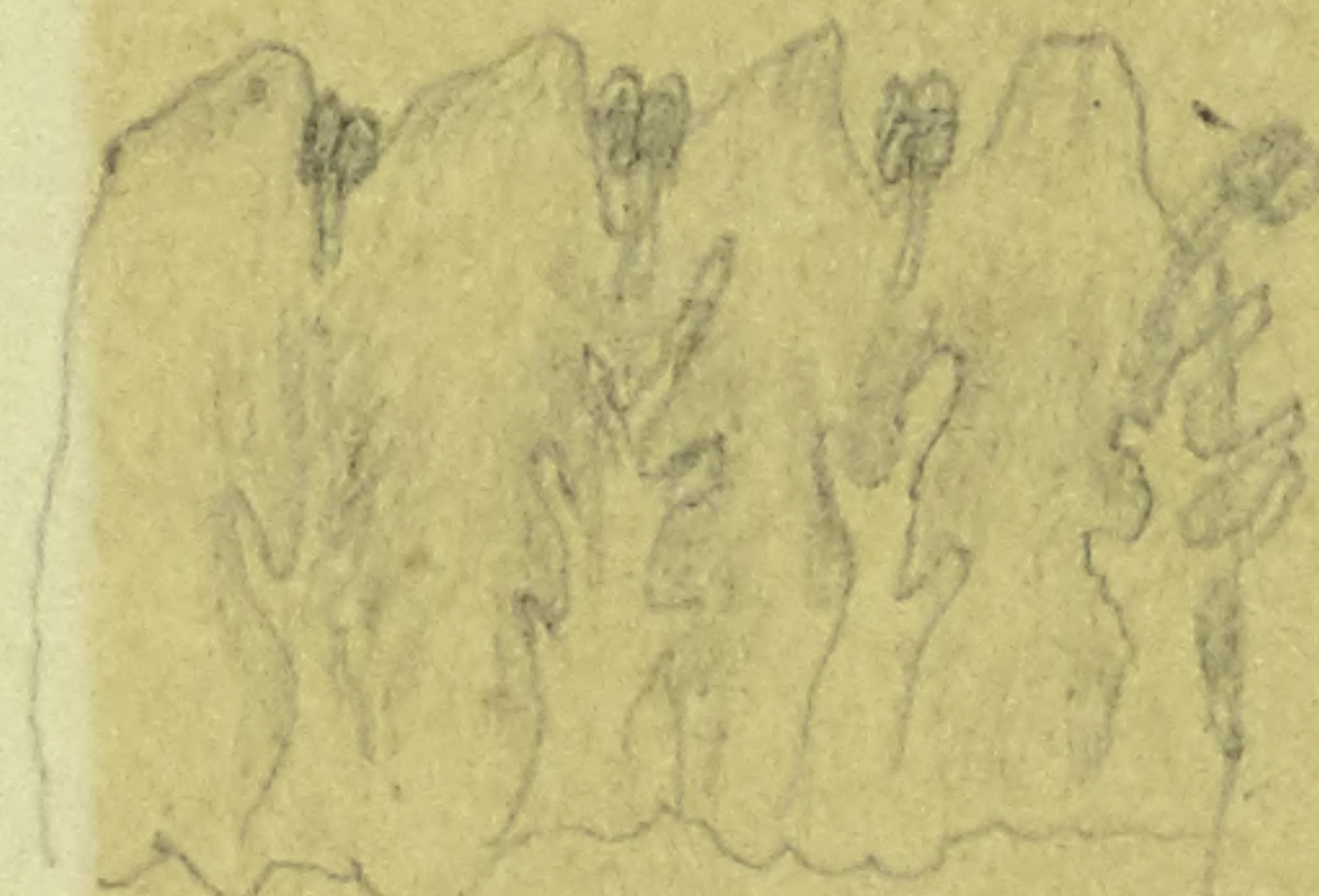
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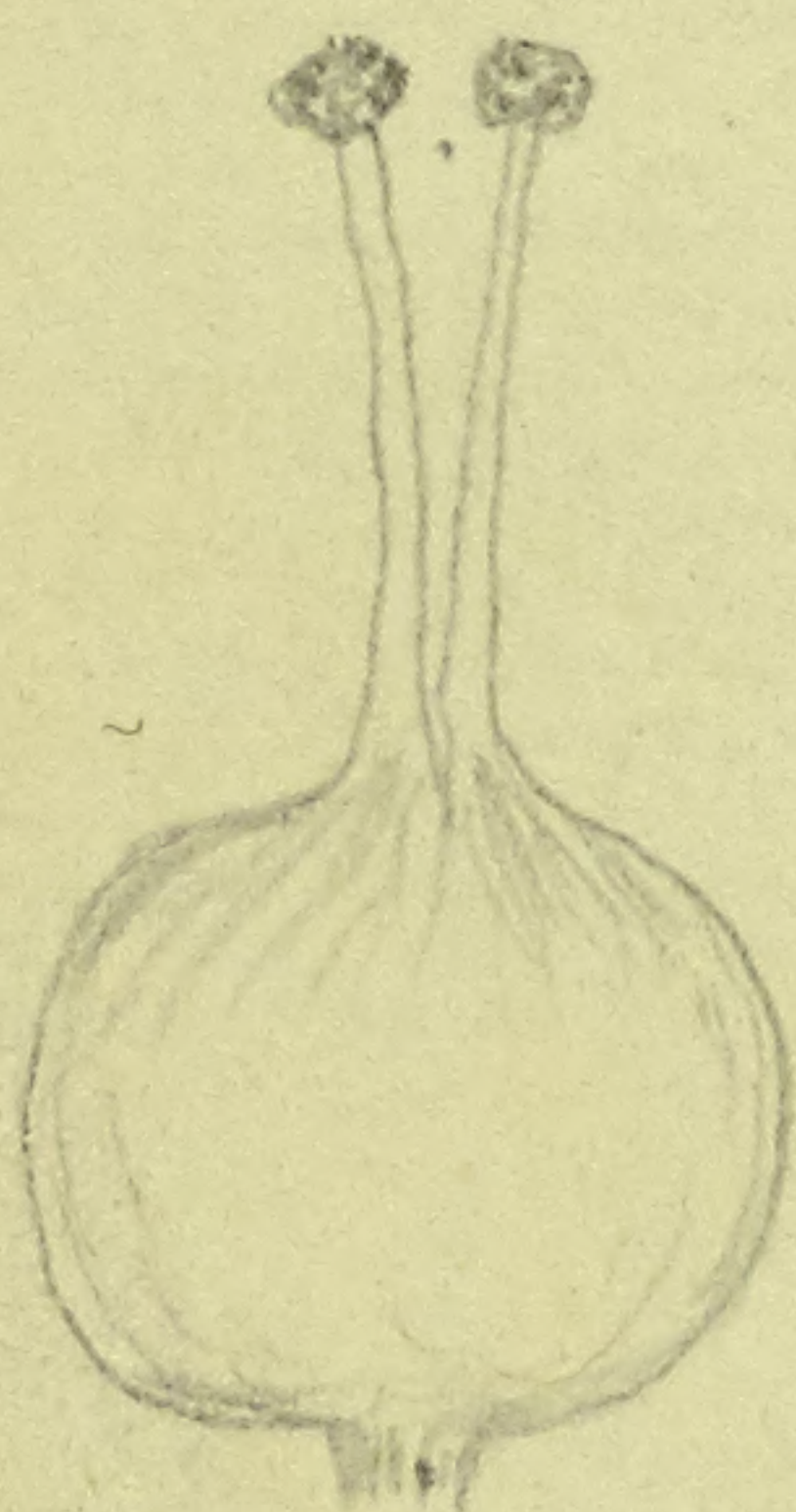


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Sketch Oct 13 1882
Cuscuta tenuiflora (Engl.)
 growing on
Mentha piperita
 N. Springs N.Y.
 Oct 12 '82



Corolla (interior)
X5



Young pistil X8

W. R. Dudley

[G. C. Cristog. 1.]

Ithaca N.Y.



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1842
 3) *Ceanothus*

C. tenuiflorus

St Louis
 on *Cephaelothus*



seed obs - 0.7 l. by h. short
 obly linear, oft perpendic



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cm

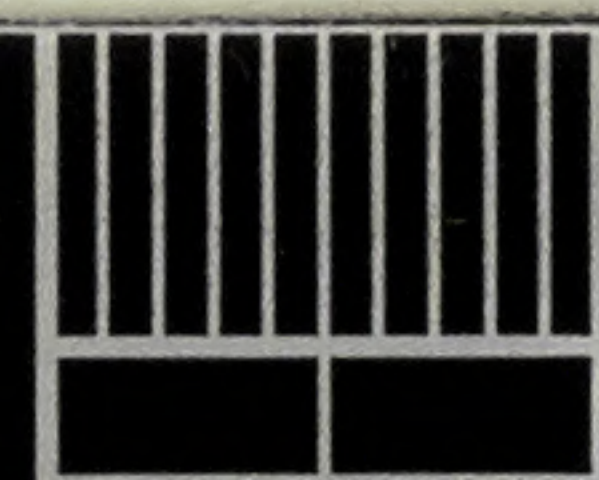
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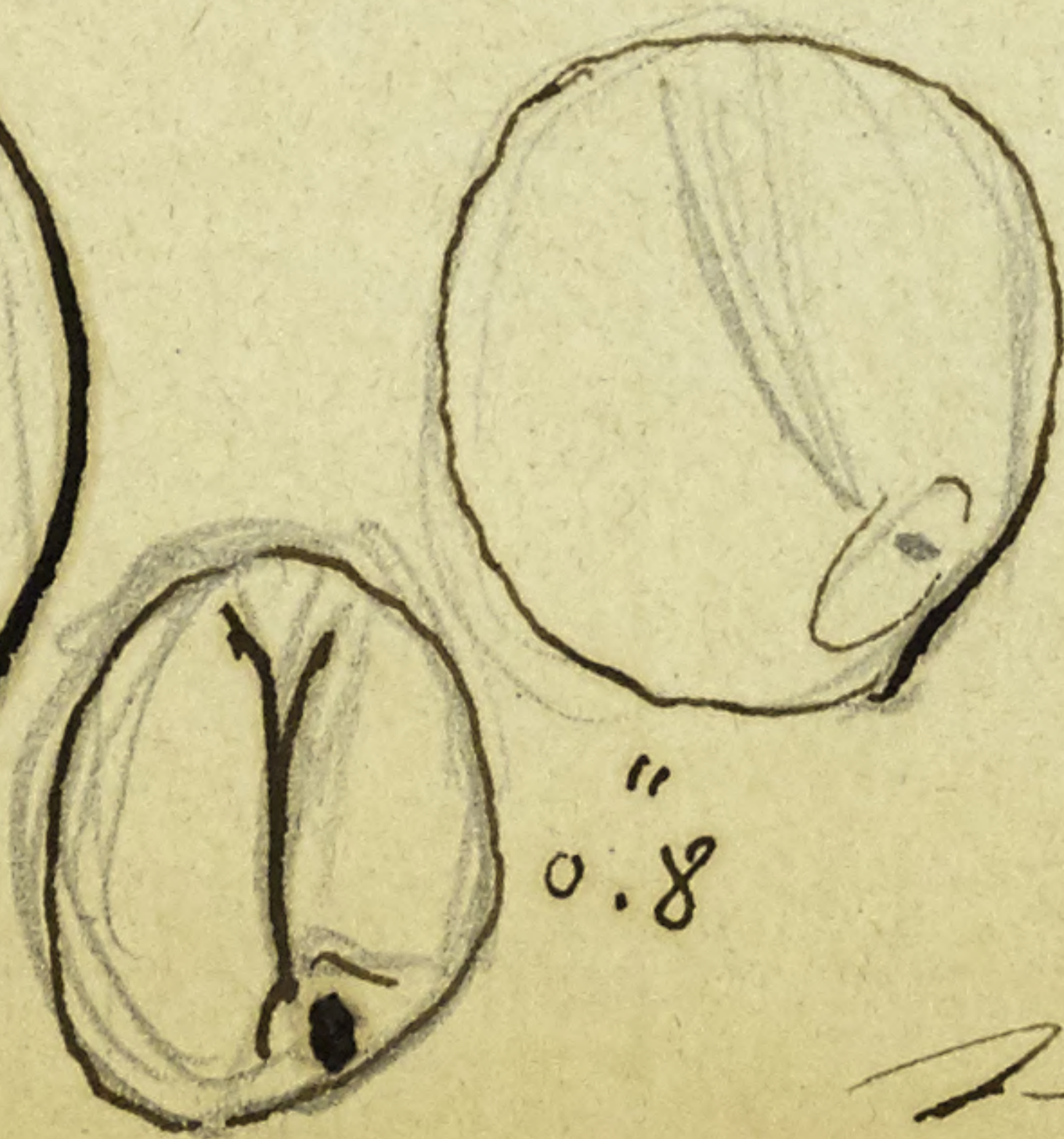
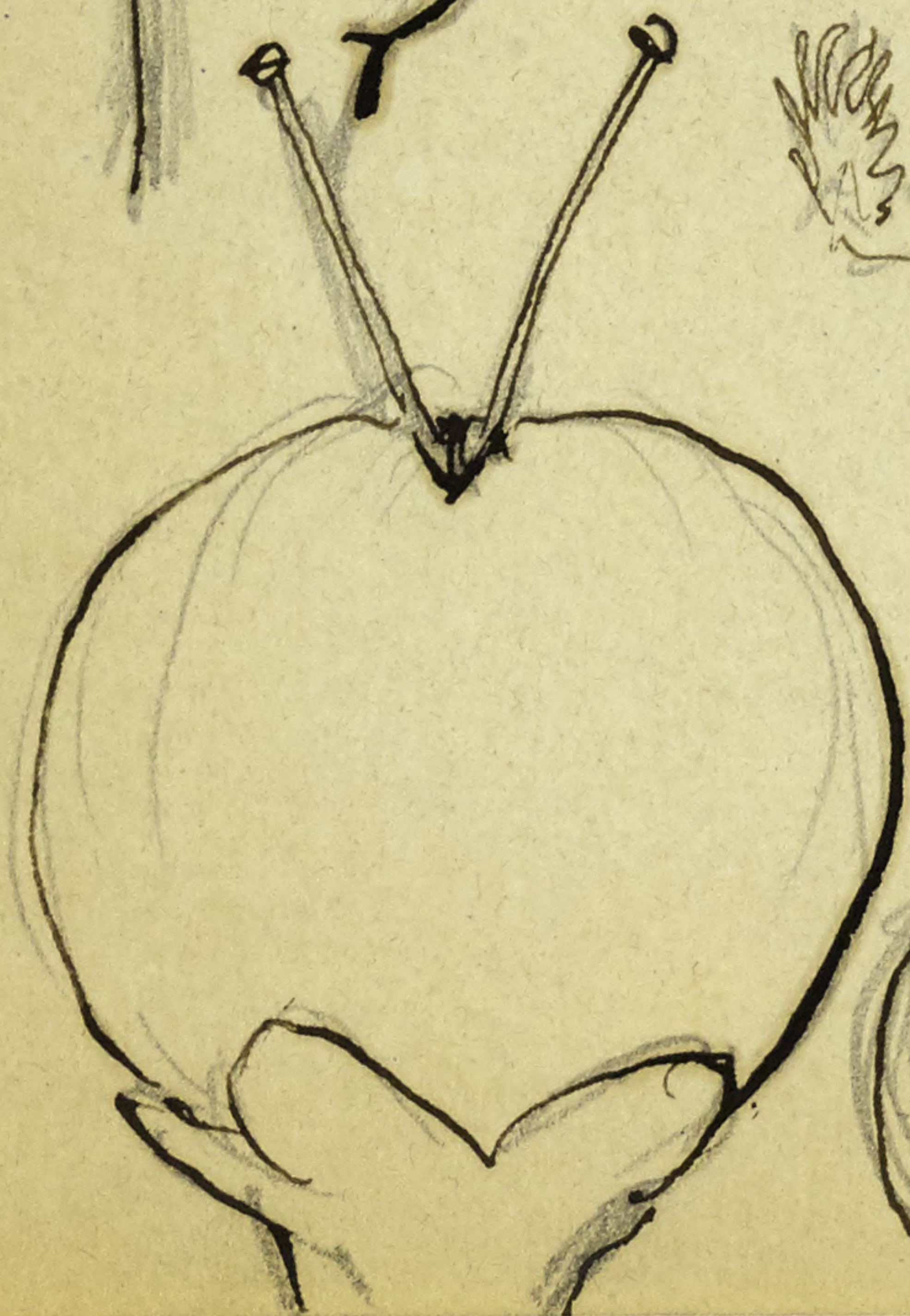
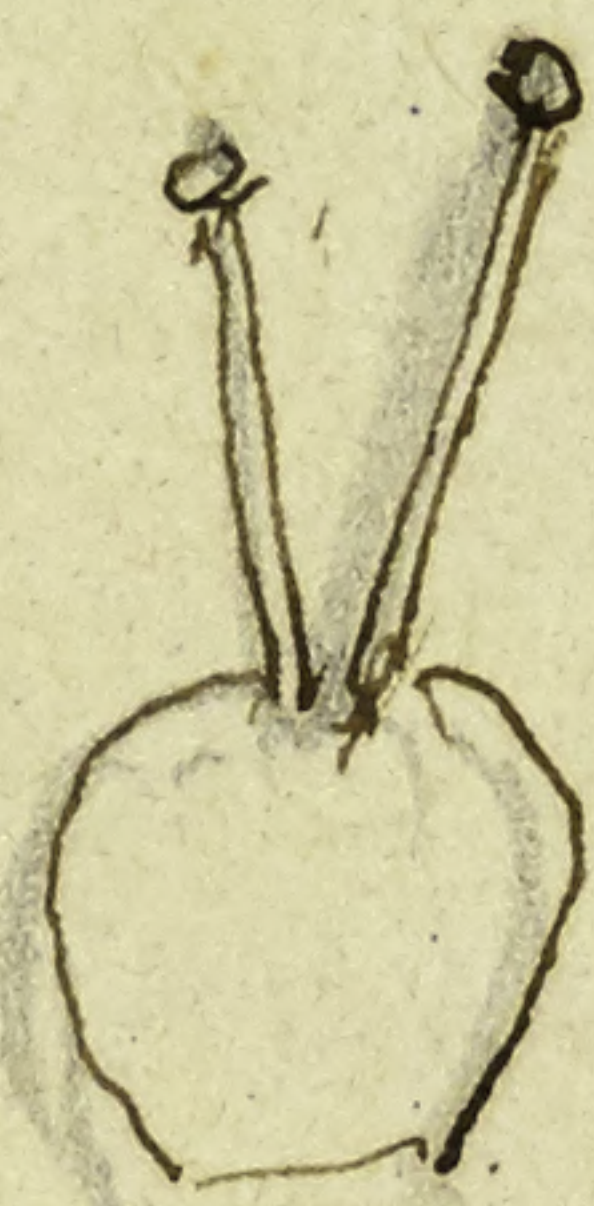
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0.8

femina-flora
Cuscuta tenuiflora

(578) Wright
 1626

seminis paucis, floris
 subsessilibus pediculis ~~incurvatis~~
 floris saepe ~~floris~~
 lobis calycis ovatis obtusis
 imbricatis, tubo corollae exserto
 laciniis ~~tubo~~ brevibus ovatis
 obtusis; staminibus brevibus,
 antheris orbiculato-ovatis
 squamis angustis ~~tubo~~ brevibus
 (ovarium magis depressum) stylis
 filiformibus & puncto longioribus;
 capsula ~~saepe~~ globosa baccata
 apice corollae calypturae formae gerente
 semine magis compressis verru



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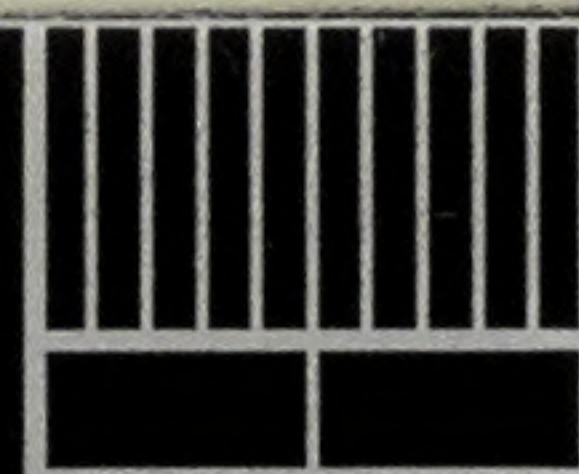
calobis inter carinatis, albis hil. Corolla - oblique brown
nearly allied to *C. Gronovii* but corolla at apex of
Capsule - Perhaps *C. tenuiflora*?

(124) X 1629

is the same plant, flowers a little smaller, off only 3 parted

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4786



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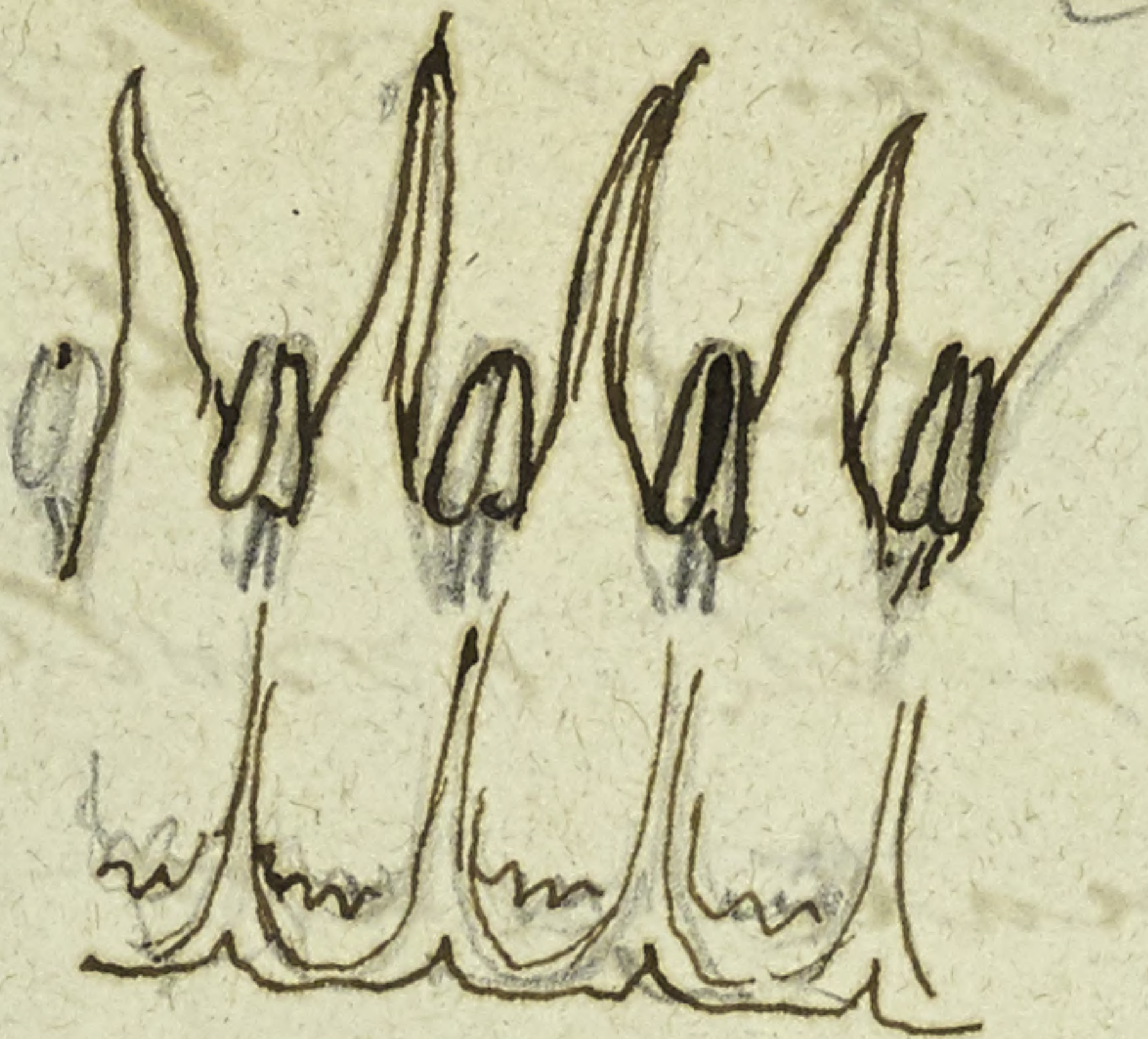
Calif. a. graciliflora

Kew Aug. 1857

18



past flowering

past
flowering

California, Douglas

1833

Hb. Kew, olim Bentham



This is the same as Nuttall's
acuminata; but only x shorter
than tube of corolla — anthers
linear-lanceolate lobes of corolla
as long as tube — styles not
much longer than ovary —
filaments shorter than anthers.

Of the most remarkable



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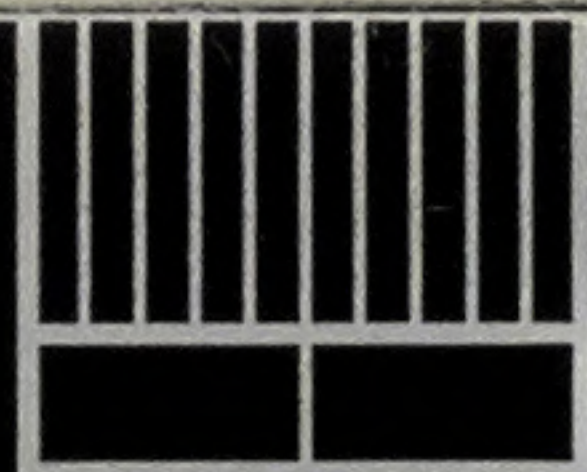
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feature is the nature of the scales — which
 are not entirely absent but for 5 points
 at the base of the 5 lobes of the corolla — in other
 words only the lower connate part of the scale
 remains and is fringed, no upper free part
 is seen opposite the stamens — nor are the scales
 properly bifid, because there is no proper
 "scale" at all!

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This is the same as *Tremontia* 506 (fig 92)
 but differs from *mm* (Mittell) — fig 80 (Thurber).
 but *Pemol* has also longer styles — both others
 shorter tube and longer filaments

C. Californica Hook & Arnott — Bot. Sulph (1841) p. 364
 gives a better description of the flower, mentioning the absence of scales.



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45

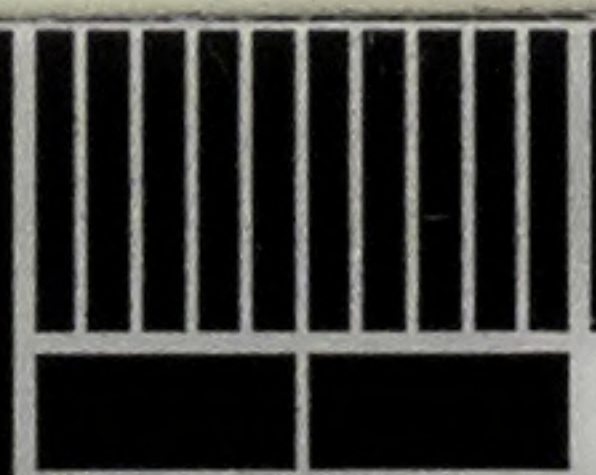
Cucur p. 497

C. acuta n. sp.

65.
239

Gallapagos

(Enclosed 378-380)



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1886-288 (2, 1886)



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Paris June 1857.

No 134

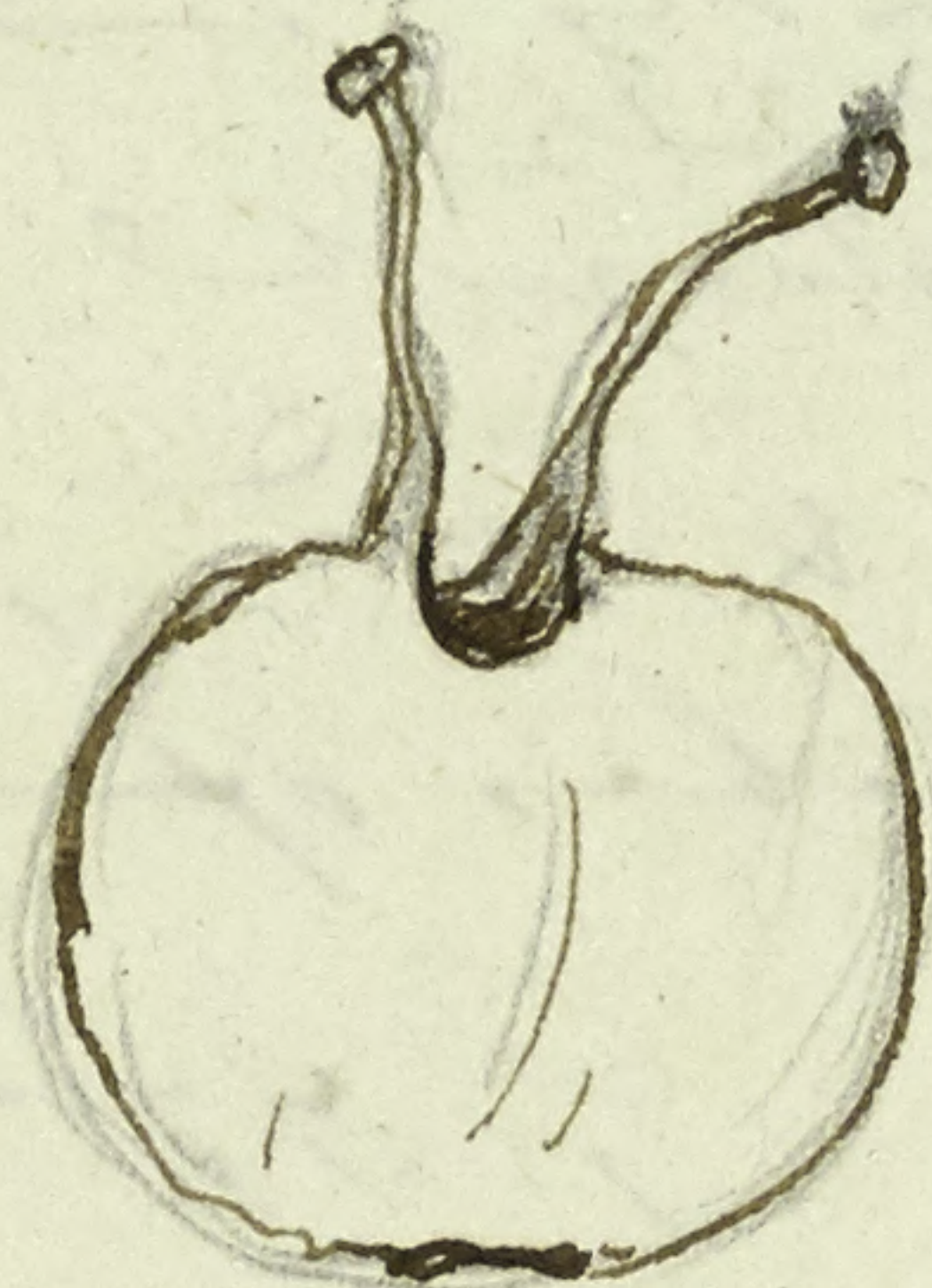
acuta

Graminea Gallapagensis

on Crataegus and other Leguminosae

Chatham island, Gallapagos

Prof L. N. Andersson, 18 May 1852

dedit, Paris June 17th 1857

0.45

1.0

basi imbricatis

Carinae corollae tubae ~~seu~~ ~~seu~~ fere longioribus, lanceolatis erecto-patulis,
 staminibus brevibus, anthera oblongo lineari filamentum subulato
 fere inserta aequata; squamis oblongo ovatis e basi tubi longe adnatis

Caulis capillares - filiformi alte
^{arbor} super putres herbasque leguminosas
 scandente, ^{vel} in massis ^{floribus} usneiformibus

dependente; pappi grandibrevitatis;

antheris coarctatis; bracteis mem-

branosis scaphiformibus, acutiusculis

pedicellis floris brevibus; albis late

campanulatis lobis triangularibus acutis s. cuspidatis

tubum corollae late campanulato longe superantibus;

Carinae corollae tubae ~~seu~~ ~~seu~~ fere longioribus, lanceolatis erecto-patulis,

staminibus brevibus, anthera oblongo lineari filamentum subulato

fere inserta aequata; squamis oblongo ovatis e basi tubi longe adnatis

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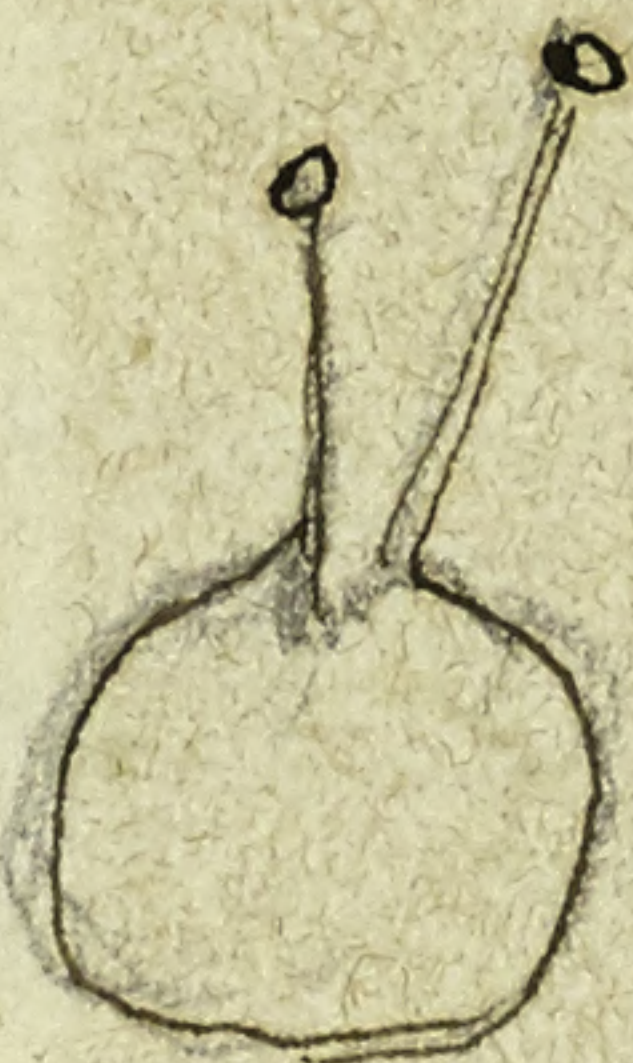
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fruit



0.5

acuta
Cuscuta gallapagensis
Herb. Grisebach.
~~Hook. & Grev.~~

sub. nom. C. Sandwicensis

Gallapagos, Anderson
J. J. Smith.

caulis capillaris
ramis paucifloris laxis
pediculis longiusculis fimbriatis
bracteis ovatis acutis
calycis lobis ovatis acutis tubo
corollae campanulatae superantibus
laciniis erectis (p. patulis), tubo longioribus
lanceolatis acuminatis; staminibus
brevioribus; antheris oblongis lineari-
filamentis brevioribus; squamis ovatis
marginibus fimbriatis; ovario globoso
stylis capillaribus
involucris; capsula baccata, basi molli
membrana inclusata; seminibus lentis
corticibus parvis inter angulos hilo brevi



0 1 2 3 4 5 6 7 8 9 10

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perpet. 1. oblong.

fl about $1\frac{1}{4}$ li long; seeds only $\frac{1}{2}$ li & short;
very different from *C. Sandwicensis* to which it has
been referred, but allied to *C. umbellata*; ~~fls~~
from which it can be separated only with difficulty;
lobes of corolla most strongly erect. in round

distinguish from *umbellata* by the short style and
corolla capsule which is at base inserted with the
corolla — H. & Muller

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GEORGE ENGELMANN PAPERS



4790



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47

Cust p. 498

C. Californica Choi's monogr. 1841
Hook & Arn. Bot. Beech 1841
p. 364

mm. C. acuminata Nutt in Hb. Acad Phil & Hb H.

80. 570 G. Thurber. San Diego
633 - -

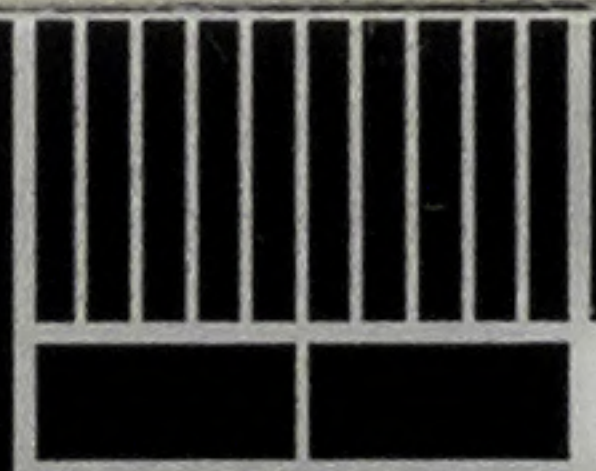
92. Fremont 506. - 444

302 Douglas California C. Californica !
Hb. Barth. & Hb Hook.

303 Harney, Monterey. Hb. Barth & Hb H.

313. Bigelow in Whipple's Exped.
& Newberry in Ives Exped.

(Enclosed 385-397)



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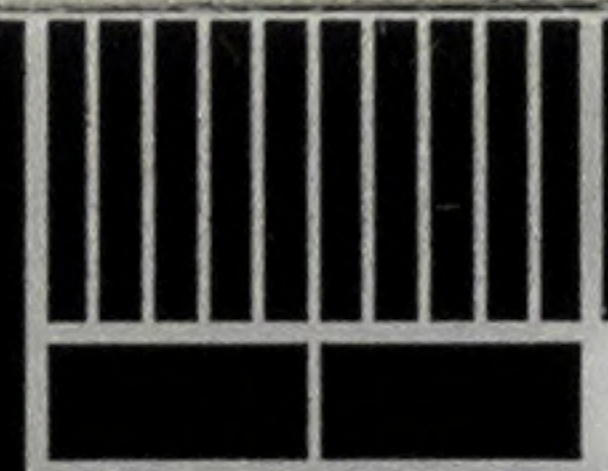
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Journal of the Horticultural Society. Lond.

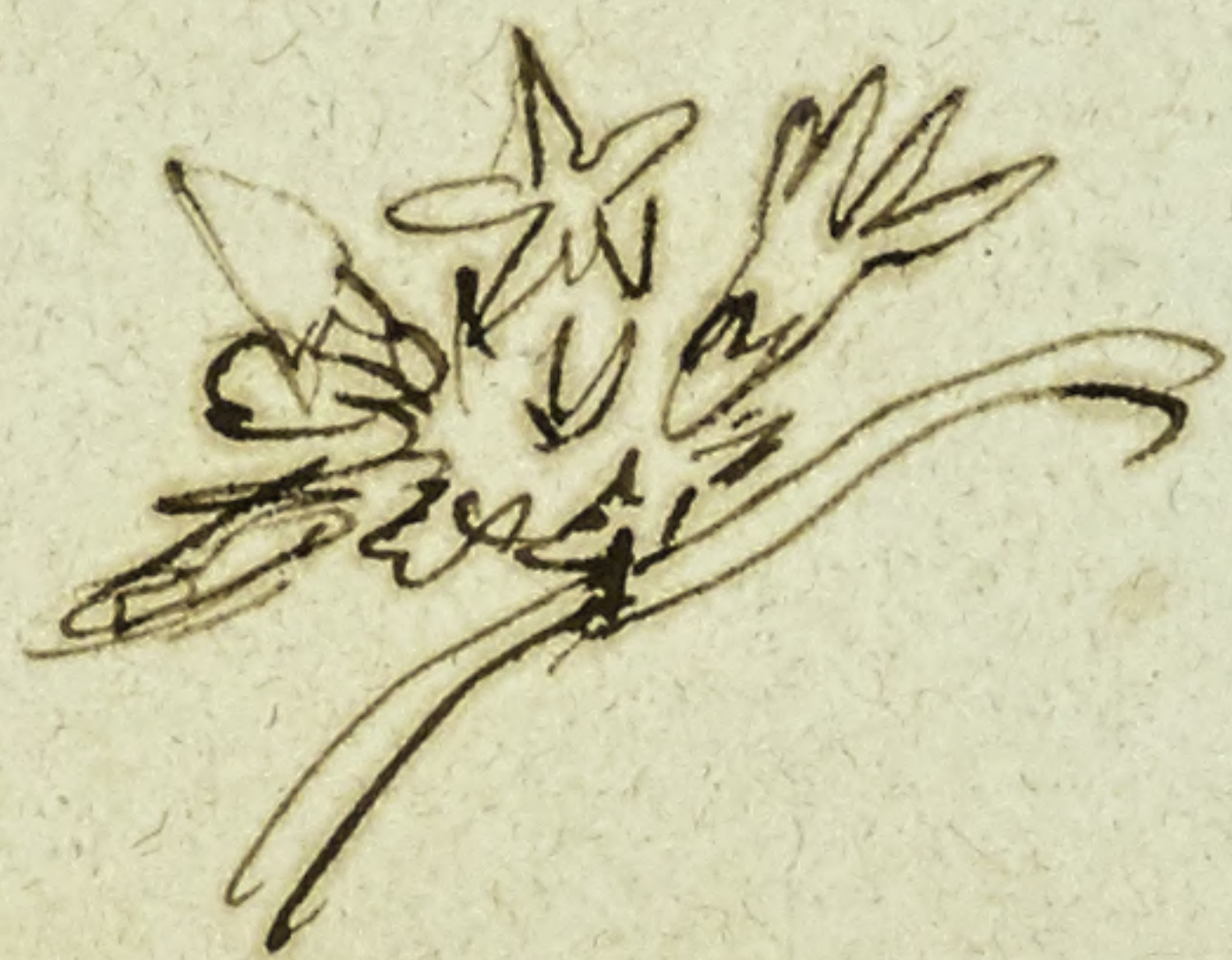
Vol IV. 1848.

No. 167. P. Californica Choisy. & H. R.

Raised from Hartweg's seeds (collected near
Sonoma, Calif.)

At first in close heads, as they grow older
they separate and eventually form loose racemes
— white, agreeable smell.

It has but one style, no scales



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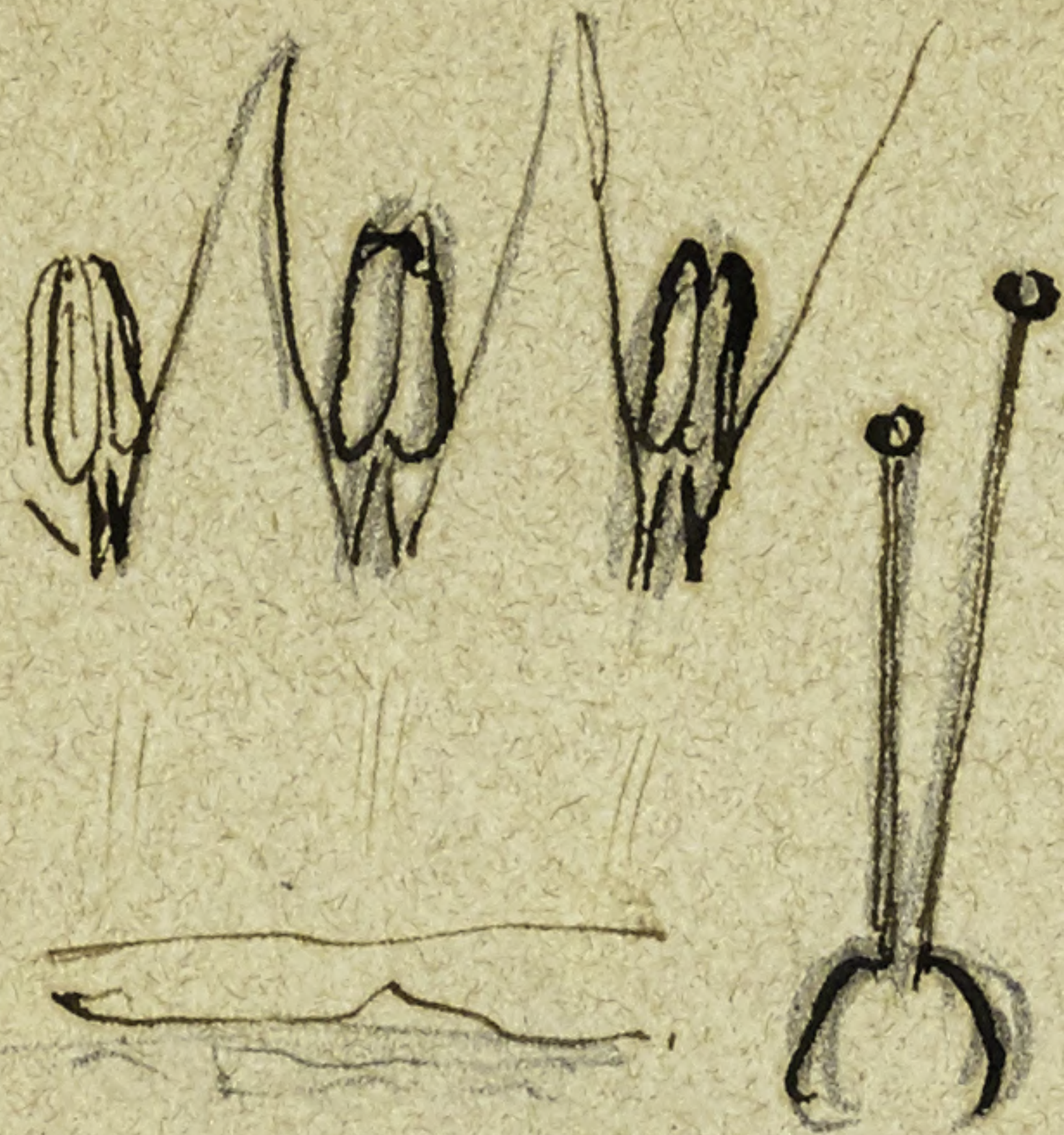
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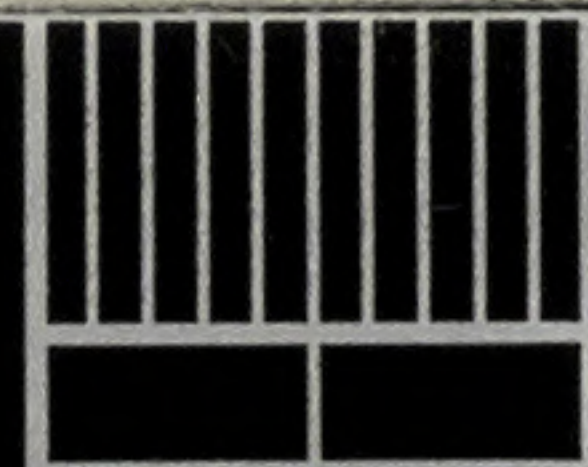
Cuscuta arvensis

Remont. Feb, 1846 on Monarda

calyx filiformis
 lobis pedicellatis in cyathis laxis
 angustis — calycis lobis longe attenuatis
 lobis acutis tubae angustis, lacini
 lanceolatis acutis tubae angustis
 staminibus brevioribus, stylis nullis
 stylis capillaribus ovario nullo
 longioribus, exsertis.

Only one flower examined, and that scarcely
 fully open! — seems not distinct from N: 80

1846
 N: 444 Cus. calyx capillaris on Erigeron mixed with
 Anemone is probably the same. (see flower)



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Currents California ^{styl} breviflora

α. breviflora

Hartweg

(303)

β. graciliflora

styl breviflora

Joungles (302)

Bigelow 313

styl longa

Fremont. (92)

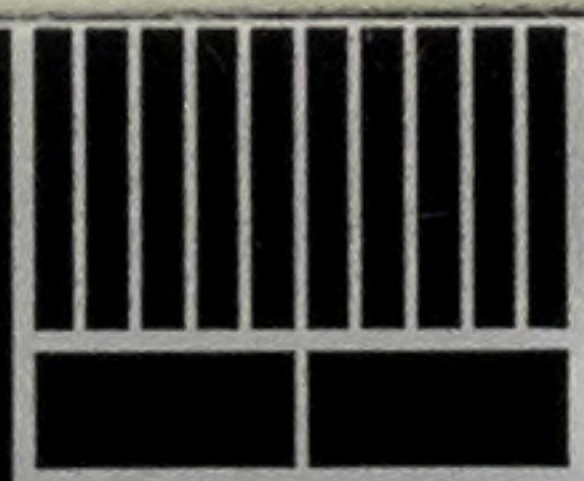
γ. longiloba, *styl* longa

Nuttall (m m)

Thurber (80)

Bigelow Colorado

Newberry



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Cuscuta Californica

1 style breviflora

2. *glauciflora*

B. breviflora

2. style longa

Y. longistylis

S. sp.

Douglas

(202)

Harkness

(303)

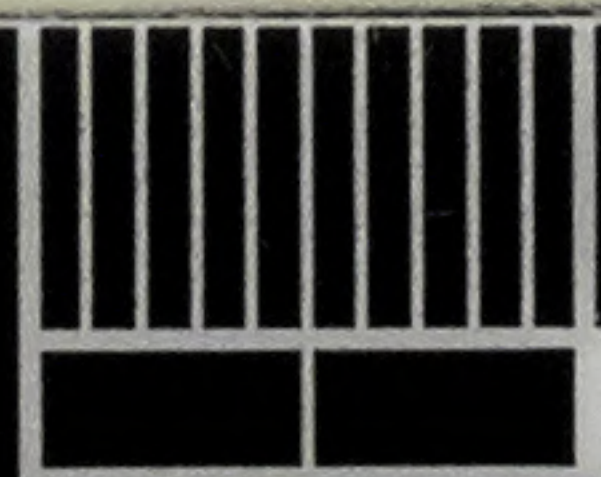
Nuttall

(m m)

Thurber

(80)

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mm

Cuscuta (californica) Choisy

acuminata Nutt mss.

California Nuttall

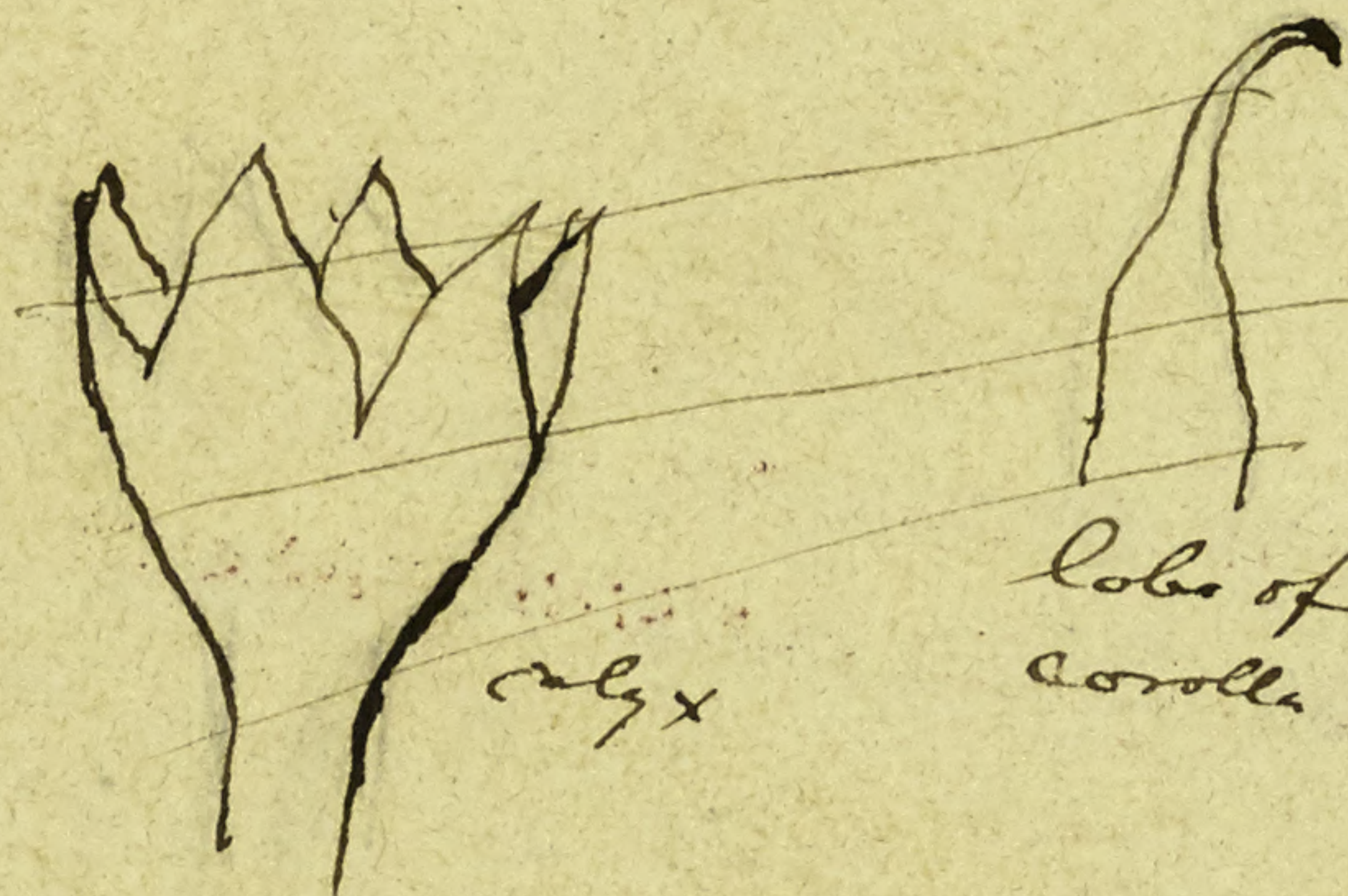
Hb. An Phil

San Barbara

Nutt

on *Erigeron*

St Louis 1844



dry flower



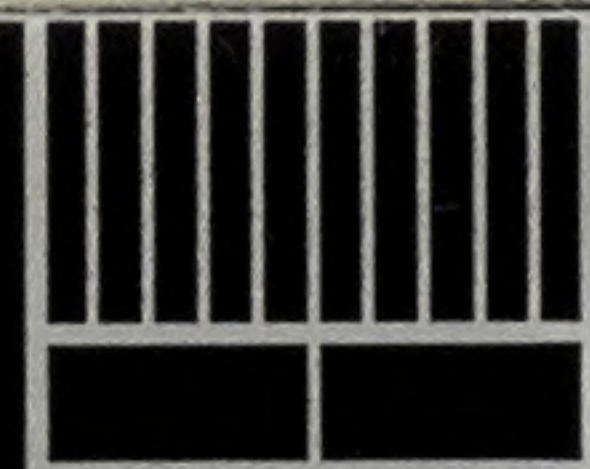
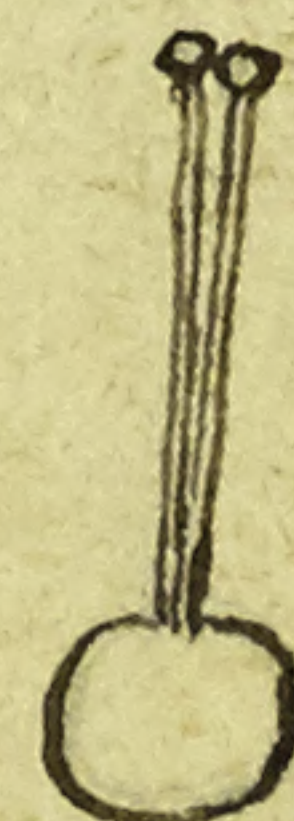
same flower
soaked in warm
water



flower bud



scales not seen!



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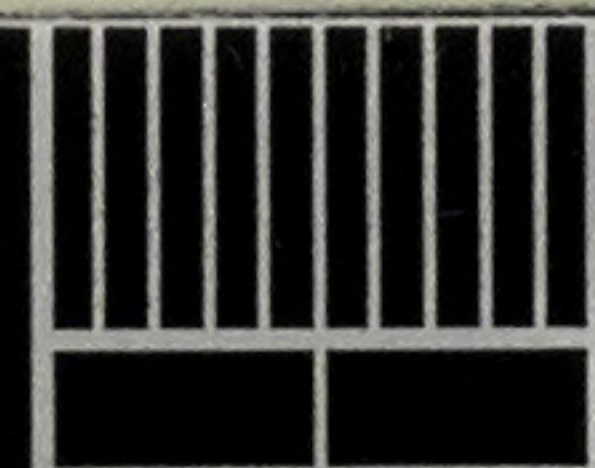
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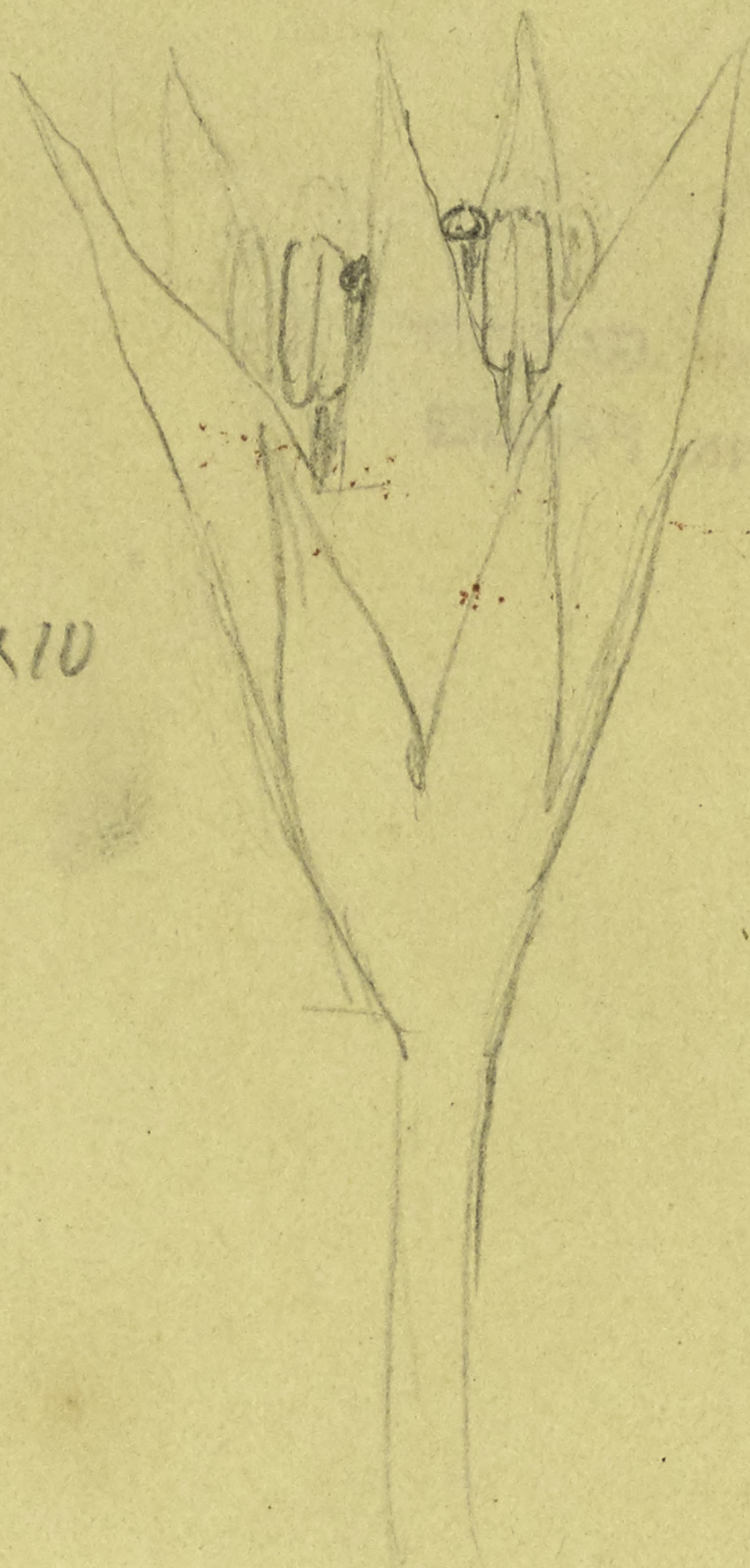
Querc. Californica

Arizona

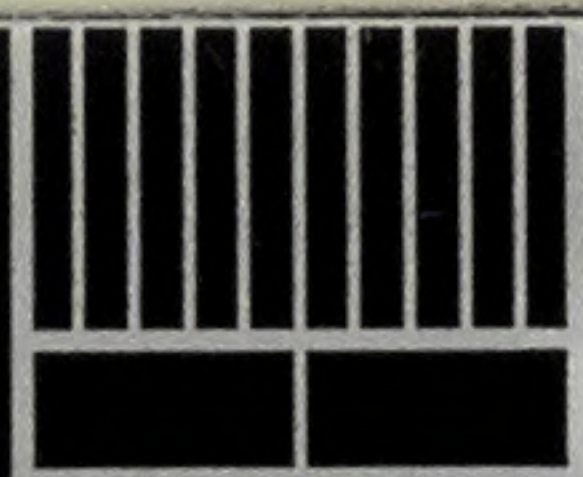
Febr 24 1875

Dr Rothrock 333

X10



lobes longer than Tube
filaments as long as stamens
no trace of scales



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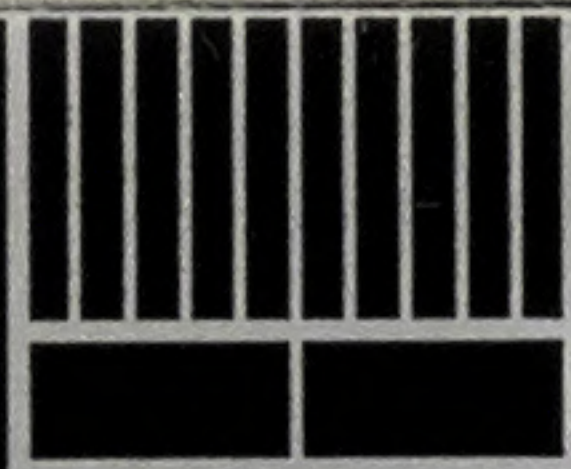
STODDARD PHARMACY,

N. W. Corner Easton and Garrison Ave's.

POOL & CO.

4796

MISSOURI BOTANICAL GARDEN
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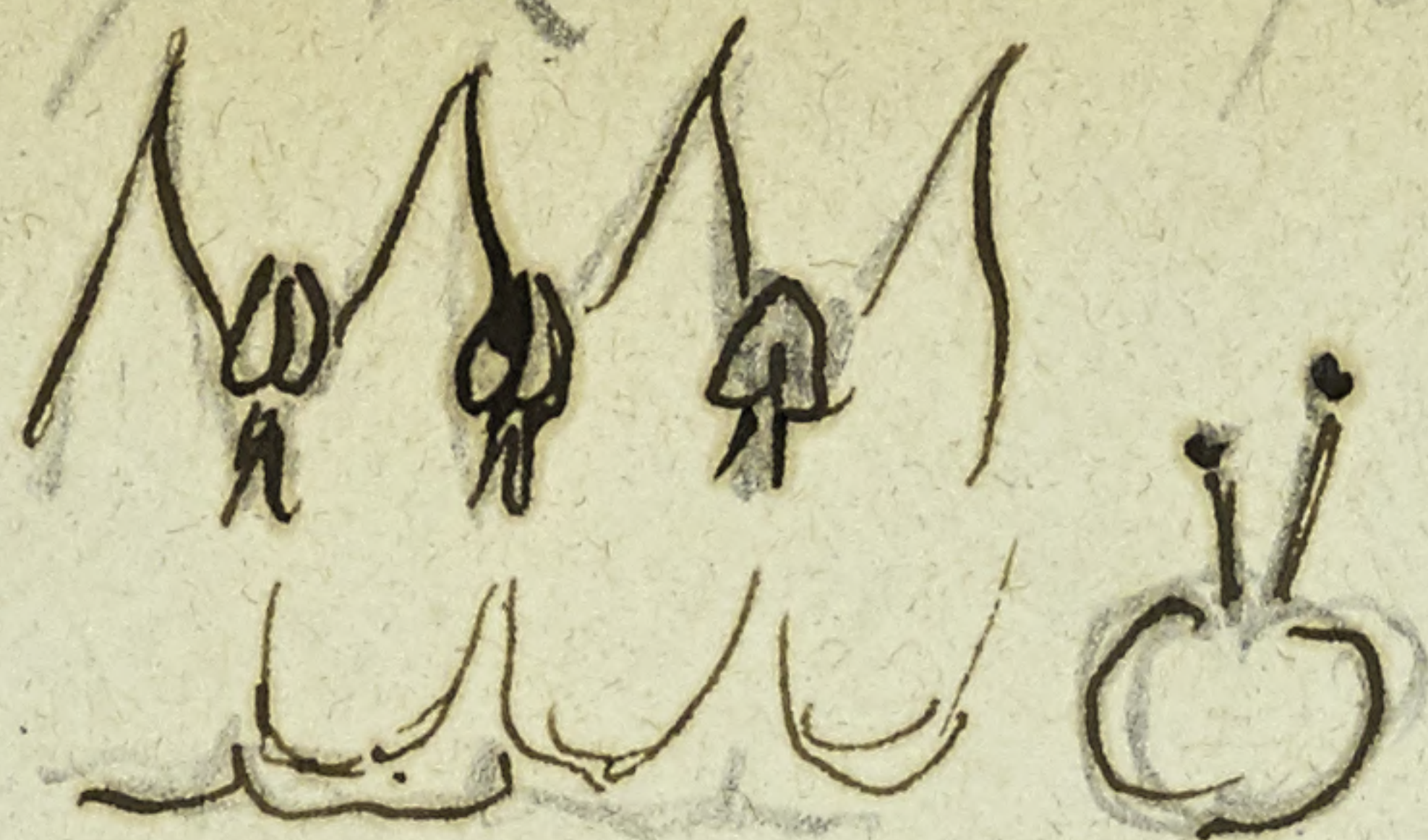
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Calif. & breviflora

Kew, Aug. 1857

1863. *Cuscuta Californica*

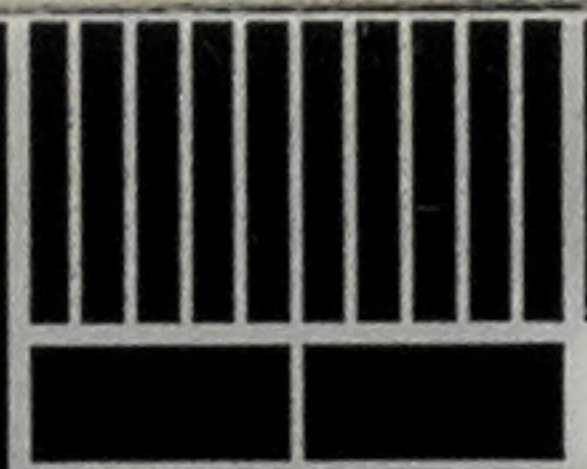
Chrys

Fields near Monterey
California Hartweg 18481.0
- 1.2

Ex herb Barth. - H. Kew & H.

This is distinguished by the smaller flower
(only 1 line long) on shorter pedicels; lobes
as long as tube of corolla; lemniscate longer
than tube, anthers oval short, as long as suber
filament — only an indistinct arch visible
of scales — very short styles.

Capsule breviter, surrounded by the corolla,
but not covered by it, 2-3 seeds



0 1 2 3 4 5 6 7 8 9 10

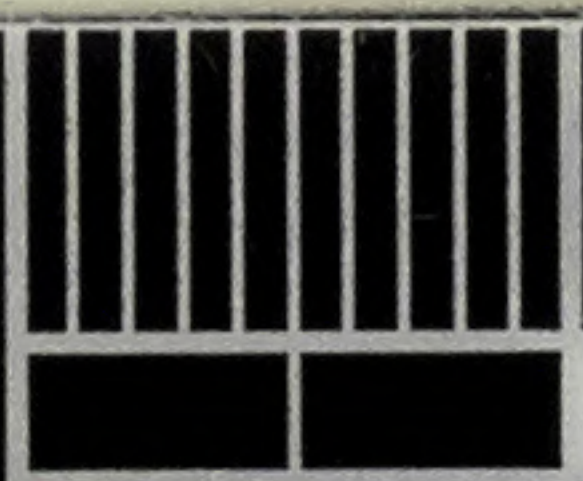
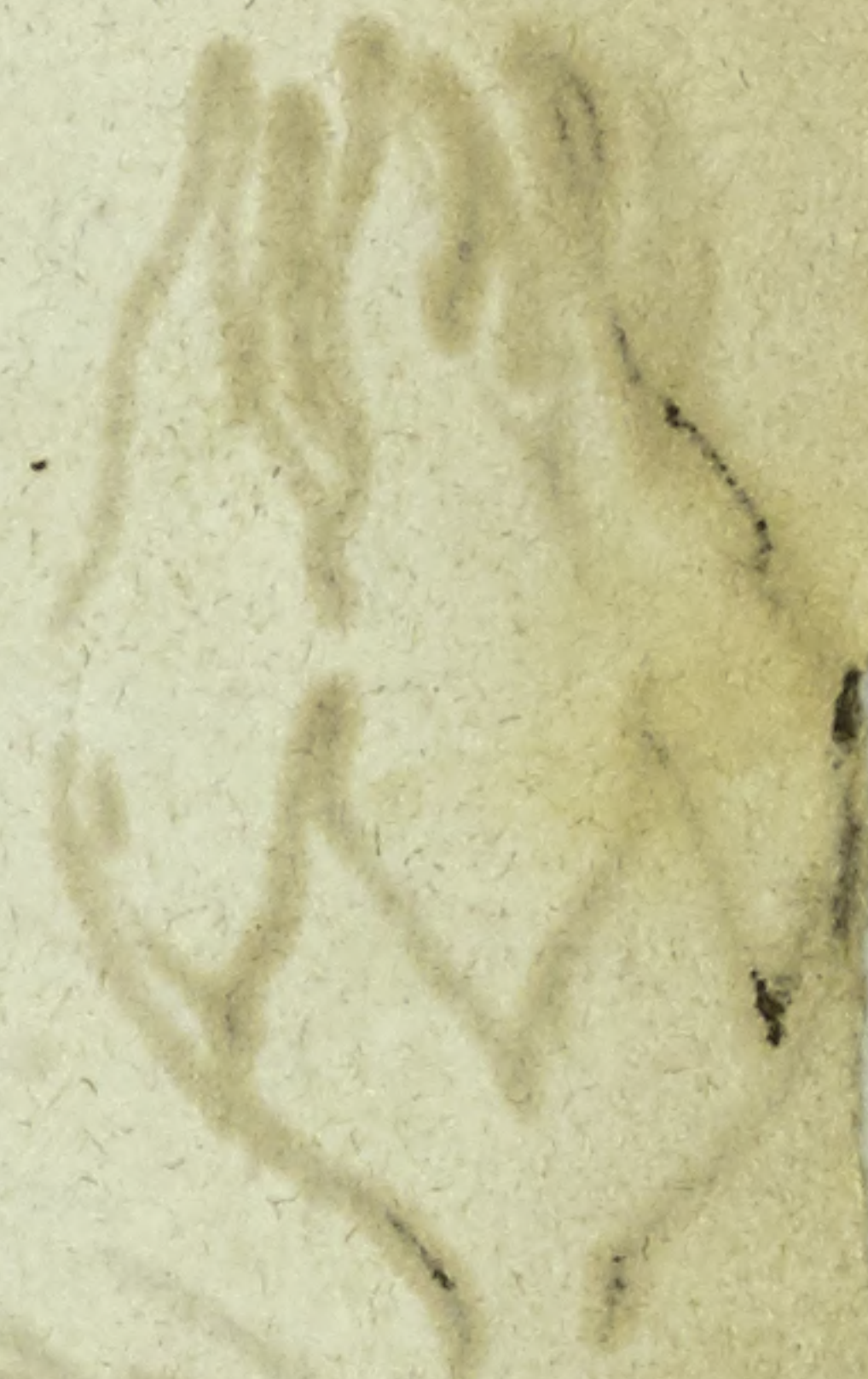
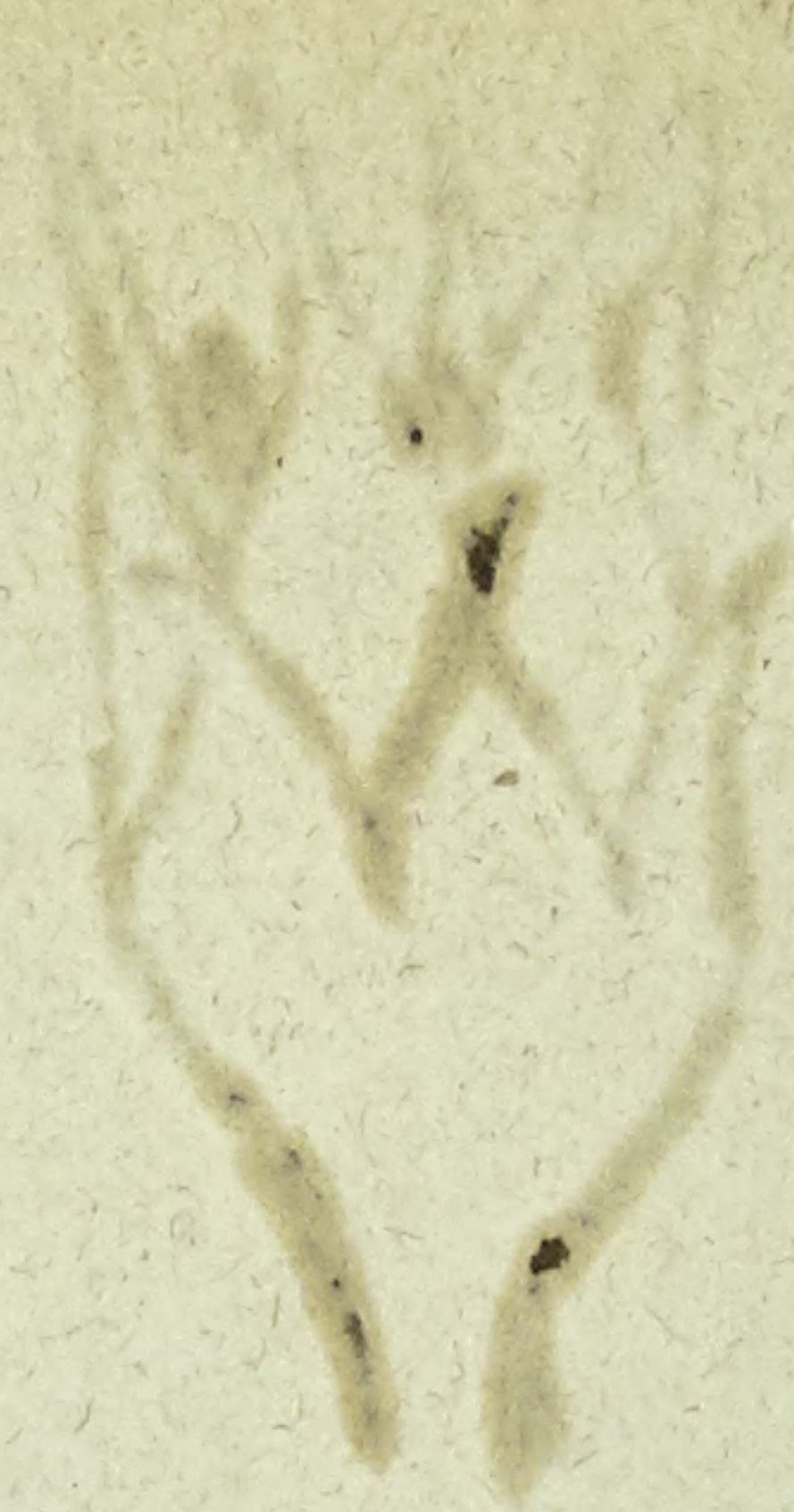
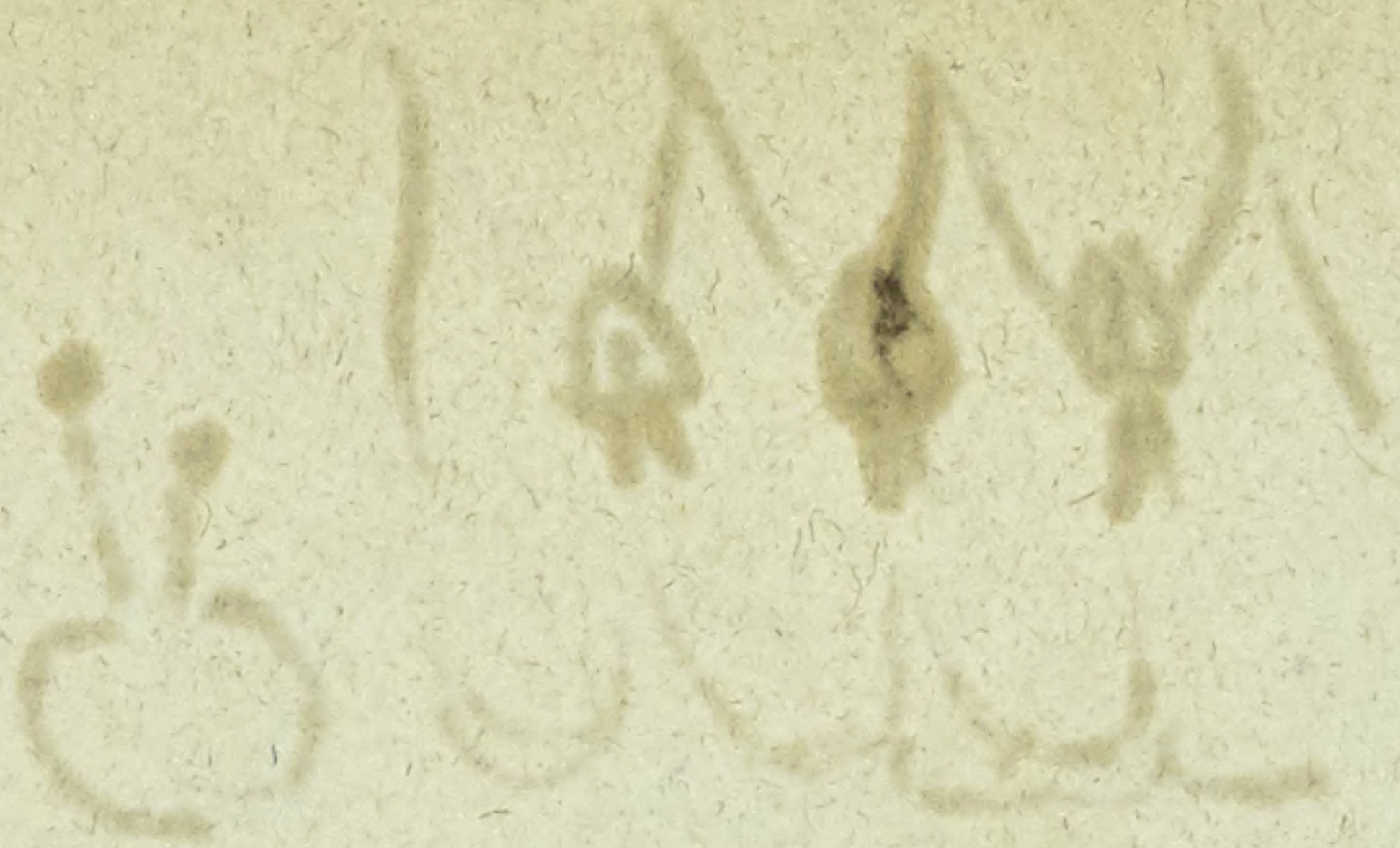
cm

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4797

23



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a,

Cuscuta Calif. L. brown-fl.

Sept 15 1875

upper Tule River, Bolander

low, 1-inch high, leafless
3-4 seeded

x 10



calyx & lobes, shorter
caps. 4 seeded



longer than tube.



greene 450

caps. 1 seeded



greene, 450 is the same, but capsule 1 seeded



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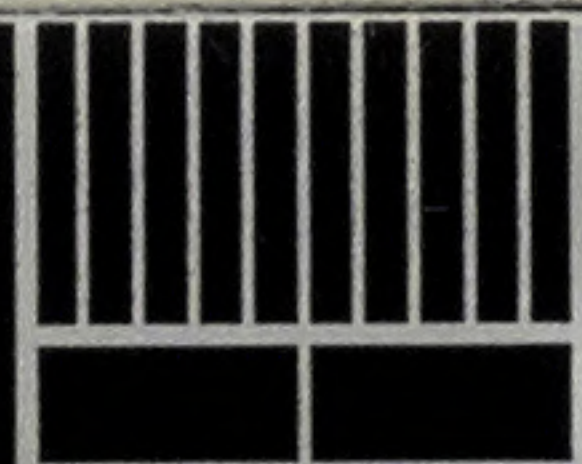
4798

Leitch & Corlies

DRUGGISTS

South-west
Corner Fifth and Market
Streets

MISSOURI BOTANICAL GARDEN
GEORGE ENGELMANN PAPERS



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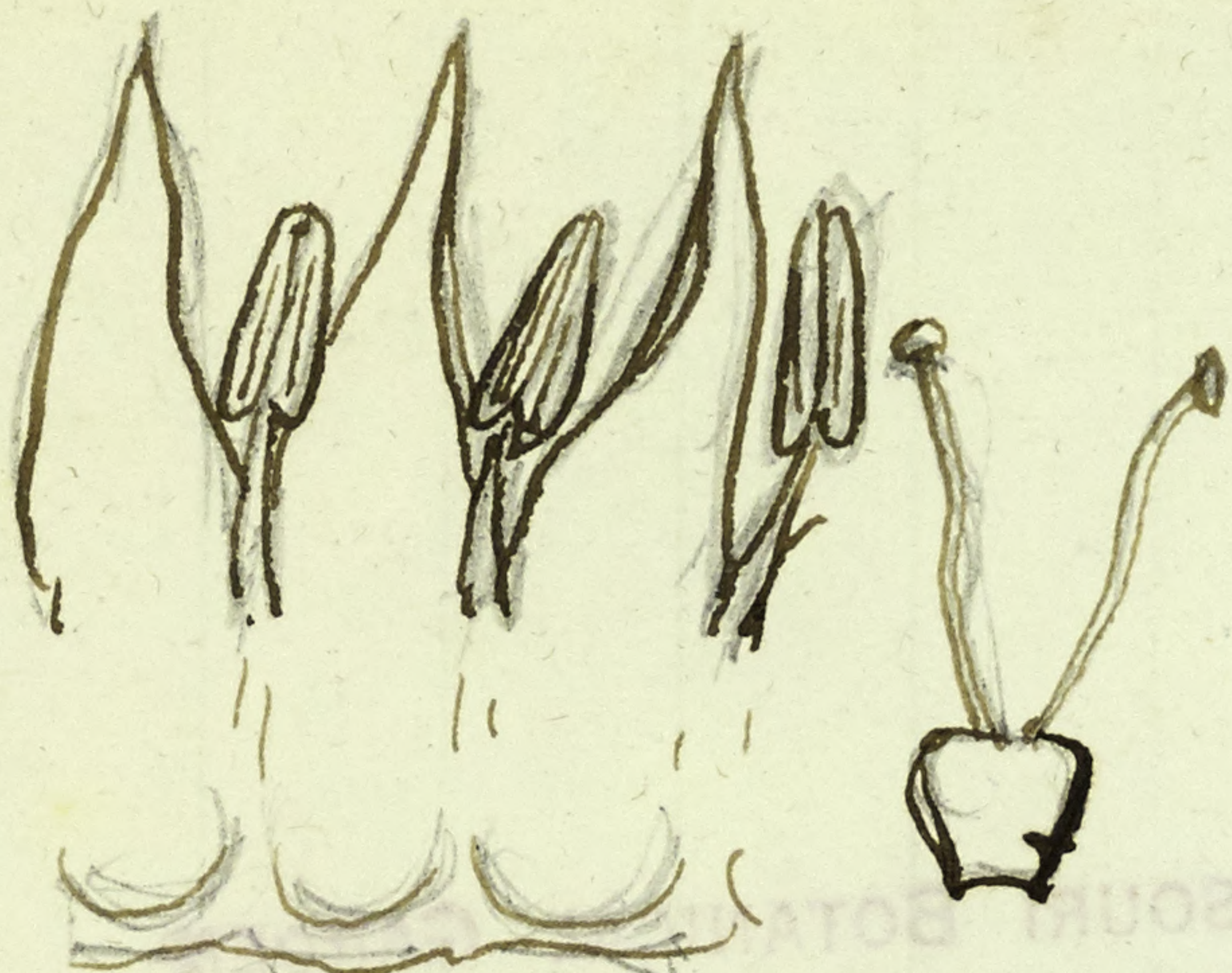


MISSOURI
BOTANICAL
GARDEN

St Louis Jan 1859

Cusc. Californica

Dr Newberry 1858



stylis ovario multo

longioribus; albis lobis

triangularibus tubo corollae brevioribus

laciniis corollae lanceolatis aristatis,

tubo longioribus; antheris linear-oblongis

filamentis subulatis aequalibus, laciniis

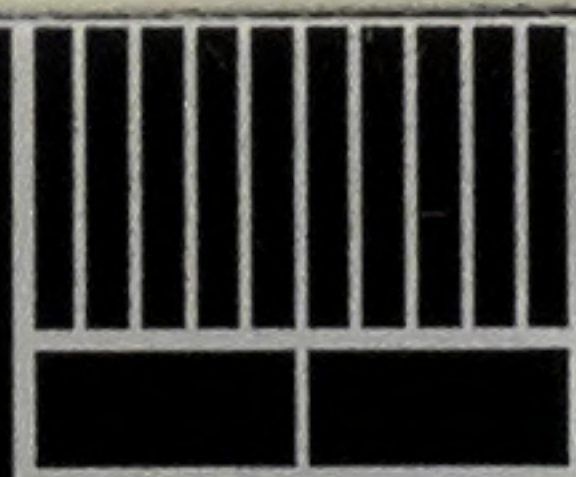
brevioribus;

placis semilunatis ad basin corollae

adhaerentibus (interdum) plura inde

squamam adductam

rudimentis



0 1 2 3 4 5 6 7 8 9 10

cm

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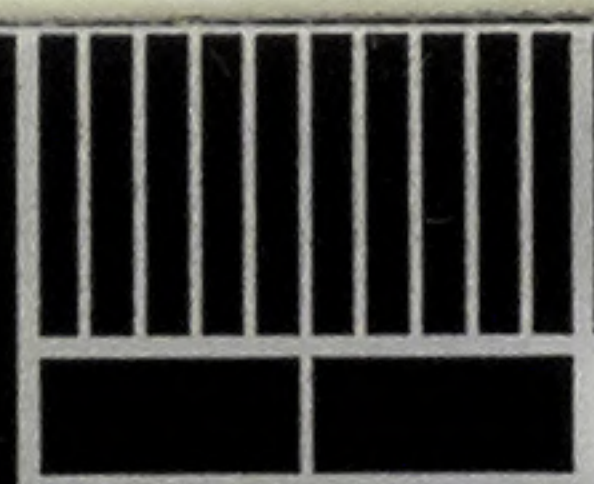


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0 1 2 3 4 5 6 7 8 9 10

cm

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313

New. Aug 1857

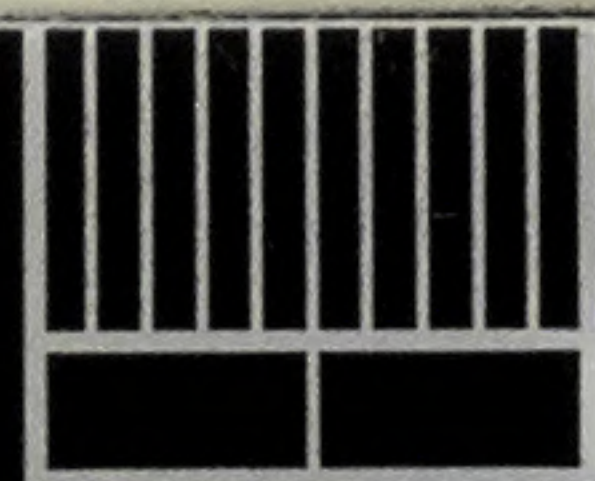


C. Californica
Whipples Railroad Exped.
California, Bigelow Bay.
ex. Herb Hook

This is a large flower
C. Californica - fl. 2-2 1/2
l. long! Anthers shorter
than filament; calyx lobes
acuminate, rounded, styles
very short. — where

half ripe Capsule

of scales
not used



0 1 2 3 4 5 6 7 8 9 10

cm

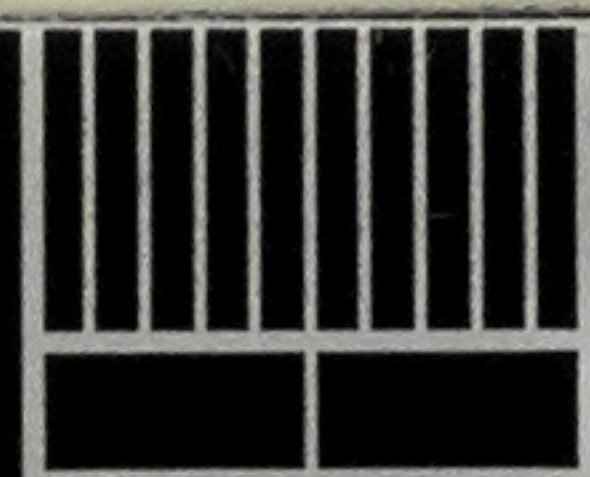
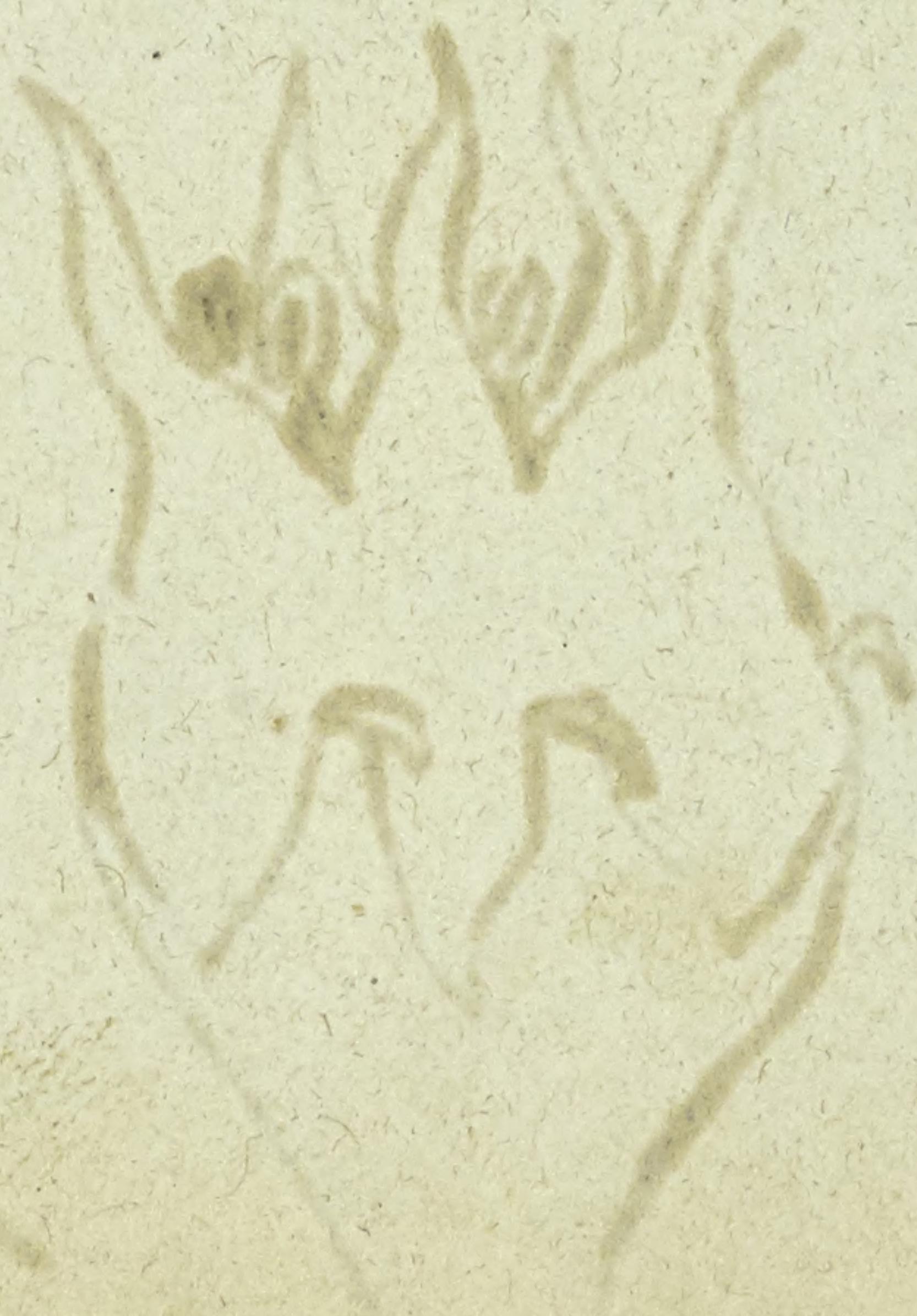
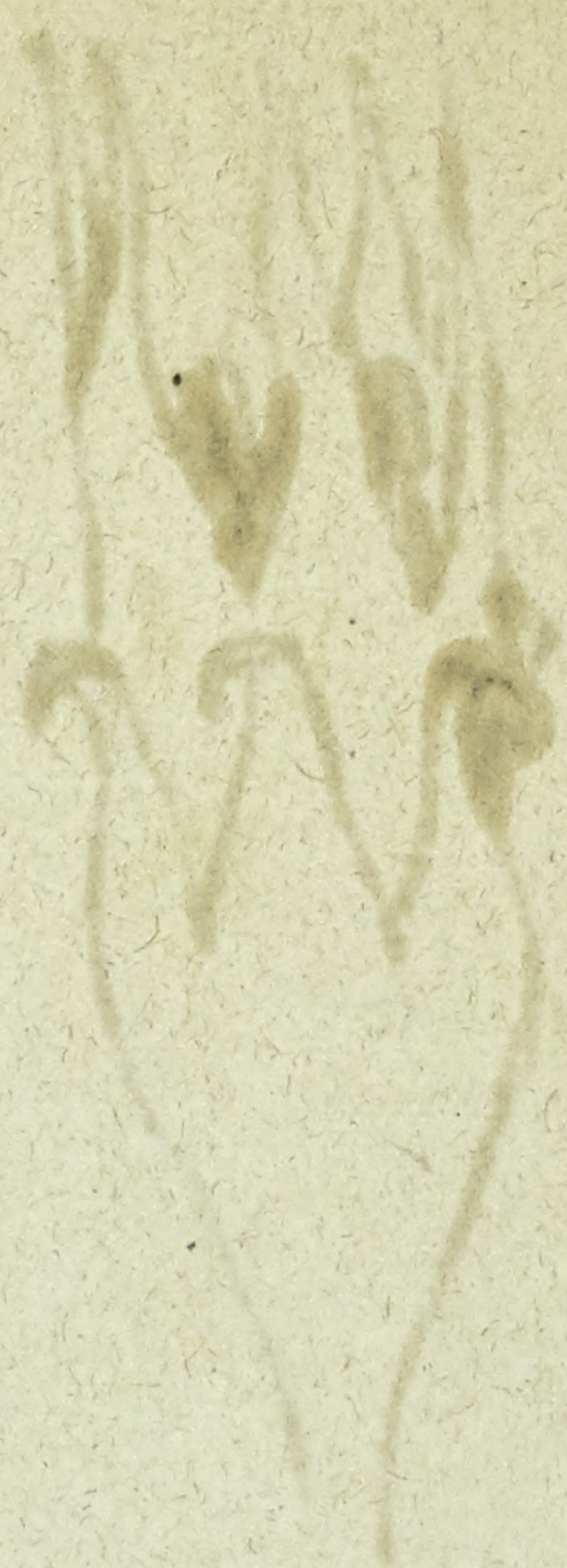
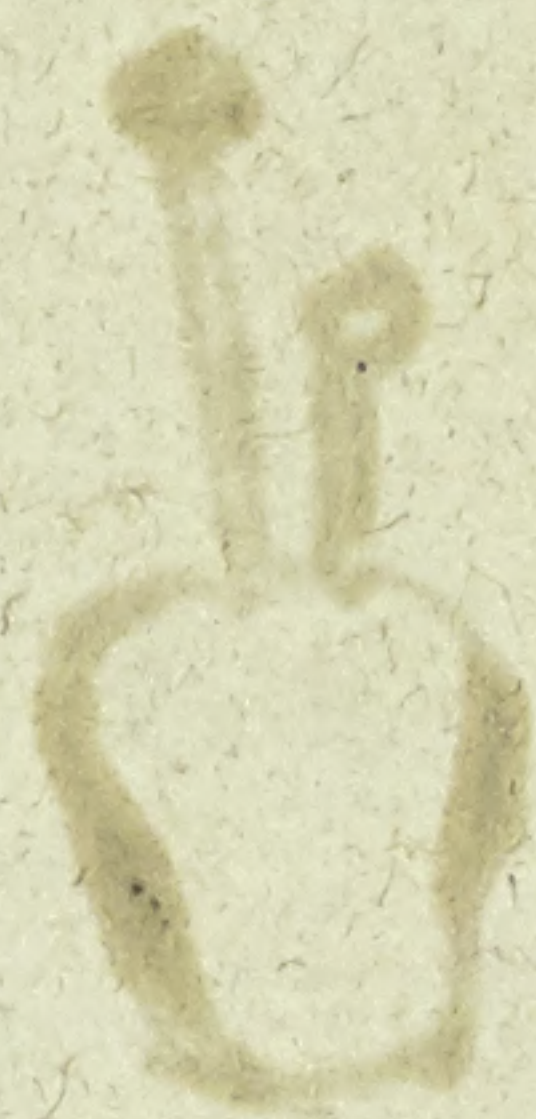
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0 1 2 3 4 5 6 7 8 9 10

cm

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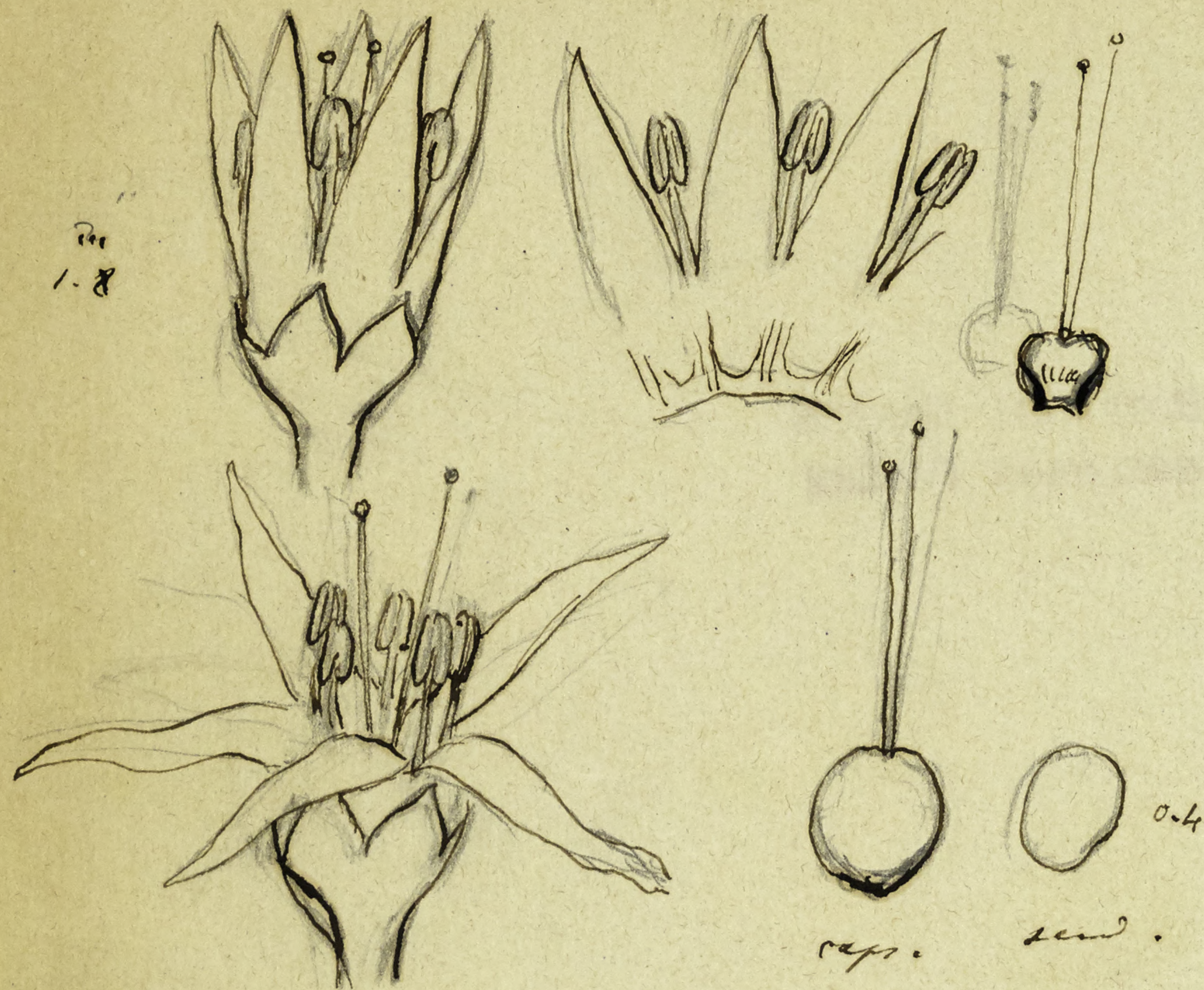


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Cuscuta Californica Choisy

570 G. Thurber

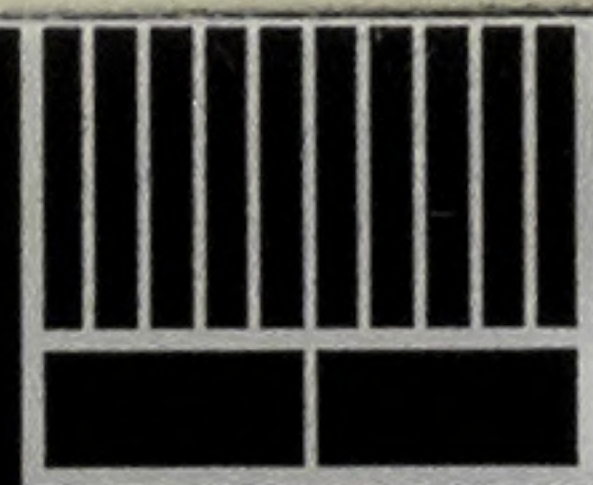
San Diego, Cal. May



calycis lobis ovato-triangulatis
 acutis, ferrugineis, tubo corollae
 campanulato subaequalibus,
 laciniis tubo nullis longioribus
 patulis s. demum reflexis, staminibus
 brevioribus, antheris ovatis filamentis
 filiformibus ^{29. nullis} brevioribus, stylis
 ovario globoso nullis longioribus
 capillareis exsertis; capsula
 baccata, corollae nunciat cryptae
 induratae, subglobosae 1-2 semina
 seminis laeviusculis

633 Thurber, San Felipe

differs only by a little shorter styles, and perhaps shorter filaments; fl. same size.

0
cm

1

2

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4

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7

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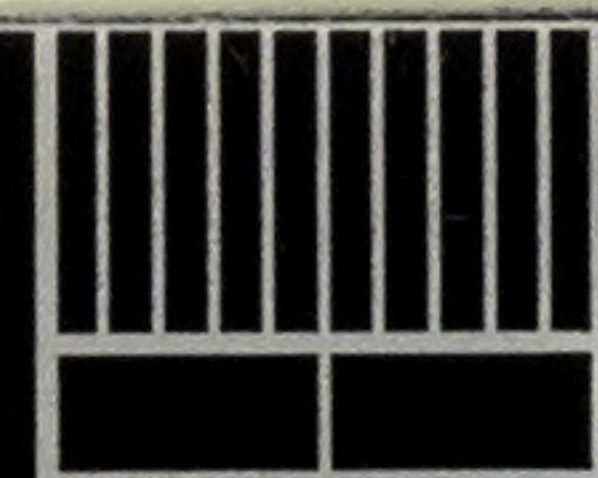
10

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0

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cm

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